a means for analyzing the detected plurality of triangles in the sequence of images to identify a plurality of surface normals for the detected plurality of triangles; and

a means for tracking an eye gaze direction of the driver over the time period by tracking the identified plurality of surface normals for the detected plurality of triangles.

18. The system of claim **17**, further comprising:

a means for performing a calibration including:

(i) a means for displaying audio or visual instructions to instruct the driver to gaze in a particular direction and to assume a particular head pose;

(ii) a means for capturing a reference image of the driver gazing in the particular direction with the particular head pose; and

wherein the means for detecting the plurality of triangles in the sequence of images includes: a means for identifying, in each of the sequence of images, the three facial features detected in the reference image.

19. The system of claim **17**, wherein the means for capturing the sequence of images of the driver of the vehicle over the time period comprises: a mobile device.

20. The system of claim **17**, wherein the means for capturing the sequence of images of the driver of the vehicle over the time period comprises: an image sensor embedded in a dash or a console of the vehicle.

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